



**Massachusetts Bay
Transportation Authority**

Orange and Red Line Vehicle Procurement: Engineering and Project Management Services

October 1, 2018



Background

- Following a competitive procurement, STV was selected to provide engineering services in support of the procurement of new Orange and Red Line vehicles in 2008. The base contract was awarded for \$17,499,417.
- In October 2014 CNR MA was awarded the contract for the design manufacturing and delivery of 152 Orange Line and 74 Red Line Vehicles and an Option for 58 additional Red Line Vehicles for a total value of \$565,183,944.
- The contract with STV was amended on September 22, 2015 to address expanded engineering services which were not part of the original base contract's scope of work, as well as support for the optional 58 Red Line vehicles.
- On December 12, 2016, the MBTA Board of Directors approved the extension of the CRRC MA contract to deliver an additional 120 Red Line Cars (No. 3 Car Fleet replacement), with associated spare parts and technical support at a value of \$249,000,000



Purpose

- In order to support the purchase of additional 120 Red Line Car #3 vehicles Amendment 2 for MBTA Contract V30PS01 with STV Incorporated, for Engineering Services is necessary
- This Amendment will provide the expanded engineering, inspectional and oversight capacity needed for the 120 Red Line #3 replacement, unanimously approved by the Board on December 12, 2016.



Contract Overview

This Amendment: Provide continued engineering and project management support, including:

- **Engineering Evaluation**
- **Further Design Review Support**
- **Testing Oversight (construction and acceptance)**
- **Production Inspection Services**
- **Warranty Support Services**



Request of the Fiscal Management and Control Board

- Staff request that the Fiscal and Management Control Board authorize the General Manager to execute Amendment 2 for MBTA Contract V30PS01 with STV Incorporated, for Engineering Services in support of the Procurement of the 120 Red Line #3 Replacement Vehicles and for additional engineering capital needed due to underestimated engineering support in the base contract.
- Amendment 2 services are estimated at a not to exceed amount of \$14,038,326 and are anticipated to be completed by April 1, 2026.